

CLAIMS

What is claimed is:

- 1 1. An apparatus comprising:
 - 2 (a) a backlight;
 - 3 (b) a first hologram;
 - 4 (c) a liquid crystal display, and
 - 5 (d) a second hologram having a first holographic recording interlaced with a second
 - 6 holographic recording, said second hologram positioned between said first hologram and
 - 7 said second hologram.
- 1 2. The apparatus of claim 1, further comprising a micro-collimator array positioned
- 2 between said backlight and said first hologram.
- 1 3. A method of making an apparatus comprising:
 - 2 (a) forming a first hologram;
 - 3 (b) forming a second hologram having a first holographic recording interlaced with
 - 4 a second holographic recording;
 - 5 (c) providing a backlight and a liquid crystal display;
 - 6 (d) arranging said first hologram and said second hologram between said backlight
 - 7 and said liquid crystal display so that said first hologram is aligned adjacent to said
 - 8 backlight and said second hologram is aligned between said first hologram and said liquid
 - 9 crystal display.

- 1 4. The method of making the apparatus of claim 3 further comprising;

2 (a) forming a micro-collimator array; and,

3 aligning said micro-collimator array between said backlight and said first hologram

1 5. A method of making a right-left interlaced hologram master comprising:

2 (a) forming a first holographic recording at a first position;

3 (b) forming a second holographic recording at a second position wherein said first

4 holographic recording is interlaced with said second holographic recording.

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